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limit or the 1 f/cc excursion limit. When PCM results indicate a potential exposure exceeding the 0.1 f/cc full-shift limit or the 1 f/cc excursion limit, samples shall be further analyzed using transmission electron microscopy according to NIOSH Method 7402 or a method at least equivalent to that method.

[73 FR 11304, Feb. 29, 2008, as amended at 73 FR 66172, Nov. 7, 2008]

PART 72—HEALTH STANDARDS FOR COAL MINES

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AUTHORITY: 30 U.S.C. 811, 813(h), 957, 961.

EFFECTIVE DATE NOTE: At 79 FR 24986, May 1, 2014, the authority citation was revised, effective Aug. 1, 2014. For the convenience of the user, the revised text is set forth as follows:

30 CFR Ch. I (7–1–14 Edition)

AUTHORITY: 30 U.S.C. 811, 813(h), 957.

SOURCE: 59 FR 8327, Feb. 18, 1994, unless otherwise noted.

Subpart A—General

§ 72.1 Scope.

The health standards in this part apply to all coal mines.

Subpart B—Medical Surveillance

EFFECTIVE DATE NOTE: At 79 FR 24986, May 1, 2014, Subpart B was added, effective Aug. 1, 2014.

§ 72.100 Periodic examinations.

(a) Each operator of a coal mine shall provide to each miner periodic examinations including chest x-rays, spirometry, symptom assessment, and occupational history at a frequency specified in this section and at no cost to the miner.

(1) Each operator shall use facilities approved by the National Institute for Occupational Safety and Health (NIOSH) to provide examinations specified in paragraph (a) of this section.

(2) The results of examinations or tests made pursuant to this section shall be furnished only to the Secretary, Secretary of Health and Human Services (HHS), and at the request of the miner, to the miner's designated physician.

(b) *Voluntary examinations.* Each operator shall provide the opportunity to have the examinations specified in § 72.100(a) at least every 5 years to all miners employed at a coal mine. The examinations shall be available during a 6-month period that begins no less than 3.5 years and not more than 4.5 years from the end of the last 6-month period.

(c) *Mandatory examinations.* For each miner who begins work at a coal mine for the first time, the operator shall provide examinations specified in § 72.100(a) as follows:

(1) An initial examination no later than 30 days after beginning employment;

(2) A follow-up examination no later than 3 years after the initial examination in paragraph (c)(1); and

(3) A follow-up examination no later than 2 years after the examinations in paragraph (c)(2) if the chest x-ray shows evidence of pneumoconiosis or the spirometry examination indicates evidence of decreased lung function. For this purpose, evidential criteria will be defined by NIOSH.

(d) Each mine operator shall develop and submit for approval to NIOSH a plan in accordance with 42 CFR part 37 for providing miners with the examinations specified in § 72.100(a) and a roster specifying the name and current address of each miner covered by the plan.

(e) Each mine operator shall post on the mine bulletin board at all times the approved plan for providing the examinations specified in § 72.100(a).

Subpart C [Reserved]

Subpart D—Diesel Particulate Matter—Underground Areas of Underground Coal Mines

SOURCE: 66 FR 5704, Jan. 19, 2001, unless otherwise noted.

§ 72.500 Emission limits for permissible diesel-powered equipment.

(a) Each piece of permissible diesel-powered equipment introduced into an underground area of an underground coal mine after May 21, 2001 must emit no more than 2.5 grams per hour of diesel particulate matter.

(b) As of July 19, 2002, each piece of permissible diesel-powered equipment operated in an underground area of an underground coal mine must emit no more than 2.5 grams per hour of diesel particulate matter.

[66 FR 5704, Jan. 19, 2001, as amended at 66 FR 15033, Mar. 15, 2001; 66 FR 27866, May 21, 2001]

§ 72.501 Emission limits for nonpermissible heavy-duty diesel-powered equipment, generators and compressors.

(a) Each piece of nonpermissible heavy-duty diesel-powered equipment (as defined by § 75.1908(a) of this part), generator or compressor introduced

into an underground area of an underground coal mine after May 21, 2001 must emit no more than 5.0 grams per hour of diesel particulate matter.

(b) As of July 21, 2003, each piece of nonpermissible heavy-duty diesel-powered equipment (as defined by § 75.1908(a) of this part), generator or compressor operated in an underground area of an underground coal mine must emit no more than 5.0 grams per hour of diesel particulate matter.

(c) As of January 19, 2005, each piece of nonpermissible heavy-duty diesel-powered equipment (as defined by § 75.1908(a) of this part), generator or compressor operated in an underground area of an underground coal mine must emit no more than 2.5 grams per hour of diesel particulate matter.

(d) Notwithstanding the other provisions of this section, a generator or compressor that discharges its exhaust directly into intake air that is coursed directly to a return air course, or discharges its exhaust directly into a return air course, is not subject to the applicable requirements of this section.

[66 FR 5704, Jan. 19, 2001, as amended at 66 FR 15033, Mar. 15, 2001; 66 FR 27866, May 21, 2001]

§ 72.502 Requirements for nonpermissible light-duty diesel-powered equipment other than generators and compressors.

(a) Each piece of nonpermissible light-duty diesel-powered equipment (as defined by § 75.1908(b) of this chapter), other than generators and compressors, introduced into an underground area of an underground coal mine after May 21, 2001 must emit no more than 5.0 grams per hour of diesel particulate matter.

(b) A piece of nonpermissible light-duty diesel-powered equipment must be deemed to be in compliance with the requirements of paragraph (a) of this section if it utilizes an engine which meets or exceeds the applicable particulate matter emission requirements of the Environmental Protection Administration listed in Table 72.502-1, as follows: